

# United States Patent [19]

### Van Brunt et al.

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[54]	OSCILLATORY CHEST COMPRESSION DEVICE		3,536,063	•	Werding.
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		Lake; Donald J. Gagne, St. Paul, both of Minn.	4,186,732	2/1980	Christoffel 601/150
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[73]	Assignee:	American Biosystems, Inc., St. Paul, Minn.	4,977,889	12/1990	Budd .
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[*]	Notice:	This patent is subject to a terminal disclaimer.	5,188,097	2/1993	Hansen 601/134
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[21]	Appl. No.: 09/039,606		FO	DEIGN	DATENIT DOCLIMENTS
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[22]	Filed:	Mar. 16, 1998	0542383A2	5/1993	European Pat. Off
Related U.S. Application Data					
[63]	Continuation Pat. No. 5,7	Primary Examiner—Danton D. DeMille Attorney, Agent, or Firm—David B. Edgeworth			

[57]

Int. Cl. 7 ...... A61H 31/00 [51]

[58] Field of Search ...... 601/41-44, 48,

601/55, 56, 77, 148-152; 128/DIG. 20;

[56]

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## **ABSTRACT**

An oscillatory chest compression device includes an oscillatory air flow generator and a positive air flow generator. A first feedback system controls the oscillation rate of the oscillatory air flow generator, and a second feedback system controls the peak pressure created by the positive air flow generator.

#### 12 Claims, 3 Drawing Sheets

